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**FUSION PROTEIN INTERLEUKIN 2/6, ITS PREPARATION AND APPLICATION**

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Abstract: The fusion protein having the activities of both interleukin 6 and interleukin 2 and anti-cancer performance is obtained through such steps as optimized translation of initial sequence, synthesizing introducing matter for upstream and downstream of IL6, IL2 function region and middle connector, a pair of oligo-nucleotides, exchanging natural stopping codon TAG into colibacillus offsetting codon TAA, PCR cloning to obtain IL-6, middle connector and IL-2 gene segment, zymohydrolysis, connecting and reforming to obtain representation carrier PBV220, inducing efficient expression, separating inclusion body, modification, and renaturation. It features more biological effect in research in multiple areas.

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